



CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

August 1993

JULY 1993

This bulletin covers 27 agricultural industries in the state of California. The number of industries range from five to seventeen within each of six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into the following tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

NOTE: Data in this bulletin have been Benchmarked (revised and updated) to the third quarter 1992 universe of employment in the Unemployment Insurance Tax files.

There were 422,600 working in California agriculture during July 1993, 18,400 below the June total. (Table 1-A.) This represents a four percent increase from the July 1992 level. Employment declines occurred in the Desert (Grapes and Farm Labor Contracting), the South Coast (Berries and Farm Labor Contracting), and the North Coast (Grapes and Farm Labor Contracting). Increases occurred in the San Joaquin Valley (Grapes and Crop Preparation Services), Sacramento Valley (Deciduous Tree Fruits and Farm Labor Contracting), and the Central Coast (small increases in a number of activities).

Wage and Salary Workers in Agricultural Establishments

For July 1993

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	422.6	210.6	61.0	70.8	27.6	36.9	15.1
Total Crops	234.8	100.1	42.5	45.9	11.8	25.6	11.6
Total Livestock	26.1	13.3	2.4	1.0	5.4	2.2	2.0
Total Services	161.7	97.2	16.1	23.9	10.4	9.1	1.5

Source: Tables 1-A through 7-A.

CHANGES FROM ONE YEAR AGO

Employment this July was 16,400 above the July 1992 total. Most of this increase occurred in the following industries: Farm Labor Contracting, Grapes, and Berries. All regions recorded employment gains except for the Sacramento Valley, which registered no change. (Tables 1-A through 7-A.)

Average hourly earnings decreased two cents from a year ago, to \$6.45 in July 1993. (Table 1-E).

REGIONAL CROP ACTIVITIES

According to the California Farm Labor Report (881A), the major regional crop activities during July were:

- Desert: Tomatoes (harvest).
- South Coast: Broccoli, Valencia oranges and strawberries (harvest), tomatoes and horticulture (plant, cultivate & harvest).
- Central Coast: Lettuce and strawberries (harvest), miscellaneous vegetables (preharvest & harvest), horticulture (plant, cultivate & harvest).
- San Joaquin Valley: Plums, melons, tomatoes, chili peppers, peaches, nectarines, garlic, table grapes, onions, potatoes, and Valencia oranges (harvest); miscellaneous vegetables (plant, cultivate & harvest); cotton (chop, hoe & weed).
- Sacramento Valley: None.
- North Coast: None.

AGRICULTURAL PRODUCTION WORKERS

Statewide agricultural production worker employment declined by 18,200 from June, to a total of 395,200 in July. (Table 1-B.)

Statewide production worker average weekly earnings were \$274.77 in July. The lowest average weekly earnings, at \$263.33, were in the South Coast Region. The region with the highest average weekly earnings was the North Coast, at \$311.61. (Tables 1-C through 7-C.)

Statewide, the average hourly work week was 42.6 hours in July, one hour above the June level. The average work week ranged from a low of 41.6 in the South Coast, to a high of 46.2 hours in the Sacramento Valley. (Tables 1-D through 7-D.)

Average Hourly Earnings of Production Workers

For July 1993
(In Dollars per Hour)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	6.45	6.27	6.33	7.19	7.00	5.79	7.05
Total Crops	6.38	6.18	6.22	6.97	6.82	5.83	6.95
Total Livestock	7.24	7.18	7.24	7.40	8.13	6.34	6.70
Total Services	6.40	6.24	6.49	7.64	6.52	5.51	8.49

Source: Tables 1-E through 7-E.

DATA SOURCES:

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 14 percent of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period.

DATA COMMENTS:

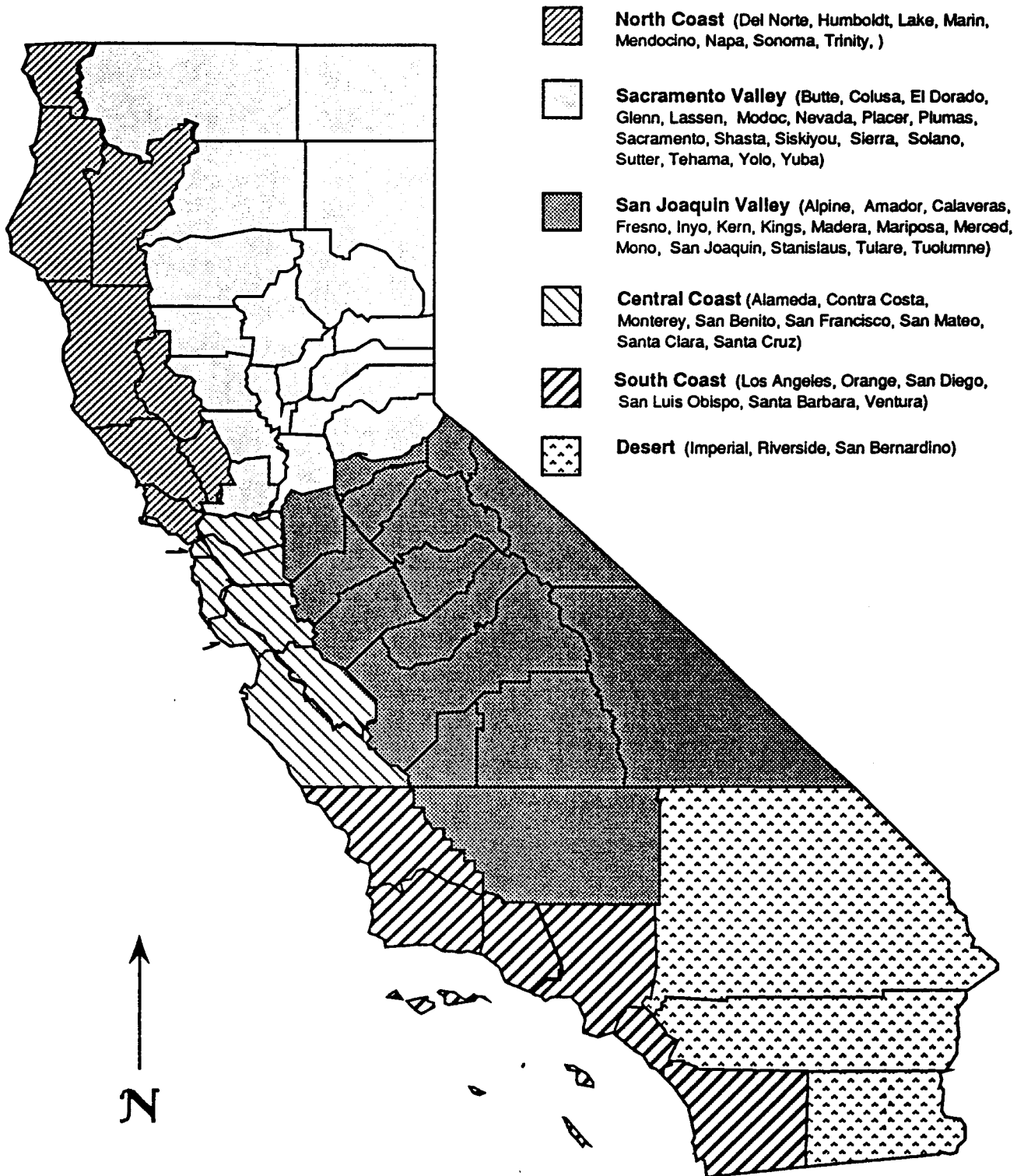
ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a monthly sampling project: the Current Employment Statistics for Agriculture. Estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994 or call (916) 262-2321. (ATSS 8-469-2321).**

CES-AG REPORTING REGIONS
LABOR MARKET INFORMATION DIVISION
EMPLOYMENT DEVELOPMENT DEPARTMENT



CALIFORNIA

Wage and Salary Employment

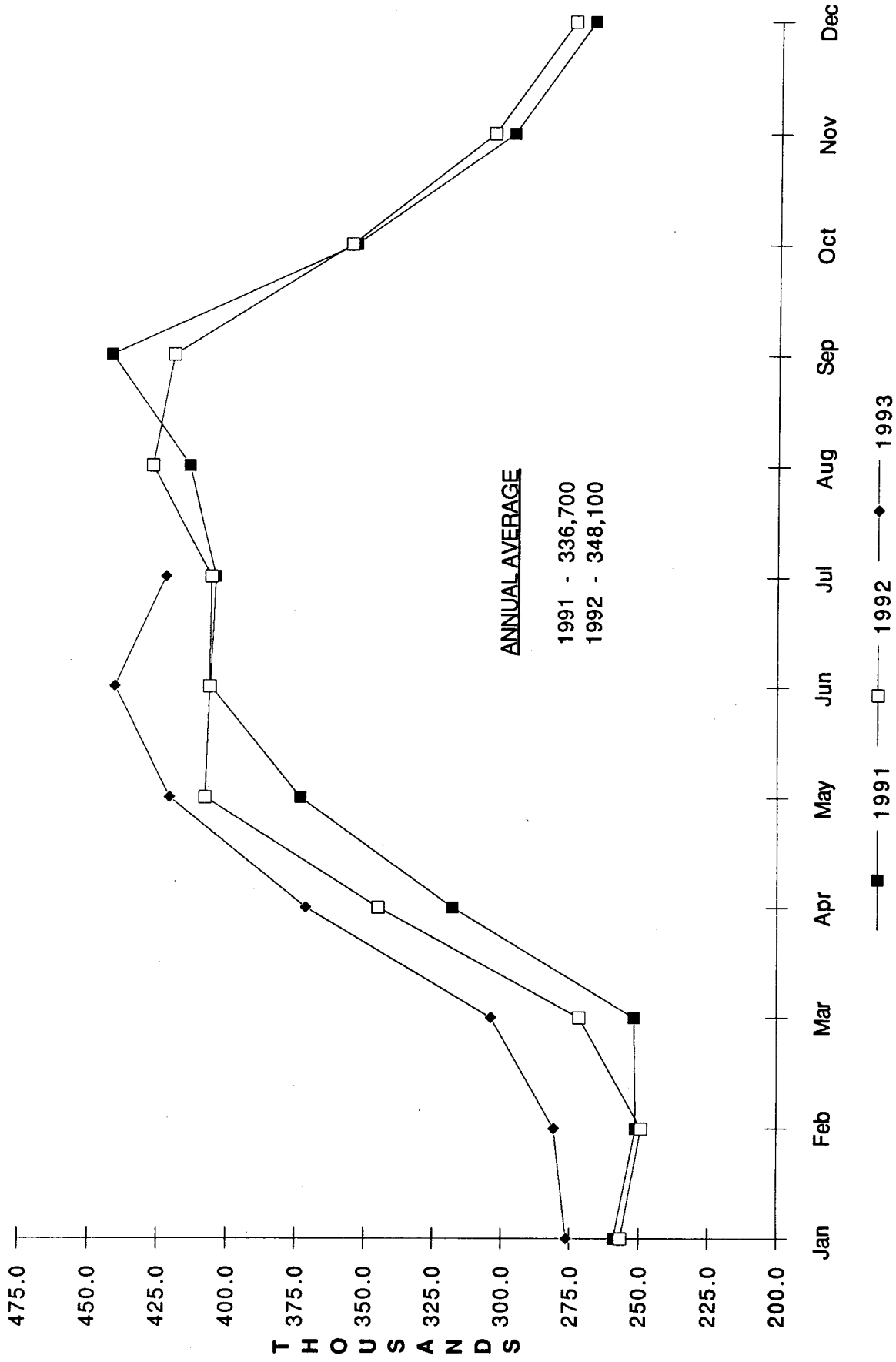


TABLE 1-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
CALIFORNIA
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	422.6	441.0	406.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	234.8	245.9	222.0
CASH GRAINS	3.4	3.1	3.3
RICE	1.7	1.7	1.5
OTHER CASH GRAINS	1.7	1.4	1.8
FIELD CROPS EXCEPT CASH GRAINS	13.0	13.0	13.9
COTTON	7.0	7.0	7.4
OTHER FIELD CROPS	6.0	6.0	6.5
VEGETABLES AND MELONS	35.3	35.1	34.3
TOTAL FRUITS AND TREE NUTS	103.6	115.1	98.6
BERRIES	19.9	26.8	18.0
GRAPES	36.0	43.4	33.7
TREE NUTS	6.3	6.0	6.3
CITRUS FRUITS	4.9	5.8	5.3
DECIDUOUS TREE FRUIT	20.9	18.4	23.5
OTHER FRUITS AND NUTS	15.6	14.7	11.8
TOTAL HORTICULTURAL SPECIALTIES	31.4	31.7	32.3
ORNAMENTAL FLORAL & NURSERY	28.0	28.3	28.9
FOOD CROPS GROWN UNDER COVER	3.4	3.4	3.4
GENERAL FARM PRIMARILY CROP	48.1	47.9	39.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	26.1	26.4	26.5
BEEF CATTLE FEED LOTS	0.6	0.6	0.7
BEEF CATTLE EXCEPT FEED LOTS	3.8	3.9	3.9
DAIRY FARMS	13.4	13.5	13.2
CHICKEN EGGS	2.8	2.8	2.9
TURKEYS & TURKEY EGGS	1.1	1.1	1.1
OTHER LIVESTOCK	4.4	4.5	4.7
TOTAL AGRICULTURAL SERVICES	161.7	168.7	157.7
SOIL PREPARATION SERVICES	1.0	1.0	0.9
CROP SERVICES	50.9	48.3	52.0
PLANT CULTIVATE & PROTECTION	5.8	6.6	6.0
HARVEST PRIMARILY BY MACHINE	8.1	8.2	8.9
PREPARATION SVCS FOR MARKET	36.3	32.7	36.5
COTTON GINNING	0.7	0.8	0.6
TOTAL FARM LABOR & MANAGEMENT	109.8	119.4	104.8
FARM LABOR CONTRACTORS	97.2	107.7	94.0
FARM MANAGEMENT SERVICES	12.6	11.7	10.8

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B
AGRICULTURAL PRODUCTION WORKERS (1)
CALIFORNIA
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	395.2	413.4	378.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	217.4	228.4	204.3
CASH GRAINS	2.9	2.7	2.9
RICE	1.4	1.4	1.2
OTHER CASH GRAINS	1.5	1.3	1.7
FIELD CROPS EXCEPT CASH GRAINS	11.9	12.1	12.9
COTTON	6.5	6.6	7.0
OTHER FIELD CROPS	5.4	5.5	5.9
VEGETABLES AND MELONS	32.7	32.4	31.7
TOTAL FRUITS AND TREE NUTS	98.6	110.0	93.0
BERRIES	19.5	26.4	17.6
GRAPES	33.7	41.3	31.4
TREE NUTS	5.7	5.3	5.6
CITRUS FRUITS	4.4	5.3	4.8
DECIDUOUS TREE FRUIT	20.2	17.7	22.4
OTHER FRUITS AND NUTS	15.1	14.0	11.2
TOTAL HORTICULTURAL SPECIALTIES	26.0	26.2	26.7
ORNAMENTAL FLORAL & NURSERY	23.0	23.2	23.7
FOOD CROPS GROWN UNDER COVER	3.0	3.0	3.0
GENERAL FARM PRIMARILY CROP	45.3	45.0	37.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	23.0	23.2	23.1
BEEF CATTLE FEED LOTS	0.5	0.5	0.6
BEEF CATTLE EXCEPT FEED LOTS	3.0	3.2	3.3
DAIRY FARMS	12.7	12.7	12.4
CHICKEN EGGS	2.2	2.2	2.0
TURKEYS & TURKEY EGGS	0.8	0.8	0.8
OTHER LIVESTOCK	3.8	3.8	4.0
TOTAL AGRICULTURAL SERVICES	154.8	161.8	150.9
SOIL PREPARATION SERVICES	0.8	0.8	0.7
CROP SERVICES	46.9	44.2	47.3
PLANT CULTIVATE & PROTECTION	5.1	5.8	4.8
HARVEST PRIMARILY BY MACHINE	7.8	8.0	8.6
PREPARATION SVCS FOR MARKET	33.6	29.9	33.5
COTTON GINNING	0.4	0.5	0.4
TOTAL FARM LABOR & MANAGEMENT	107.1	116.8	102.9
FARM LABOR CONTRACTORS	95.5	106.1	93.1
FARM MANAGEMENT SERVICES	11.6	10.7	9.8

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 1-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
CALIFORNIA
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	274.77	267.49	271.74
TOTAL AGRICULTURAL PRODUCTION/CROPS	280.72	275.41	283.56
CASH GRAINS	342.50	343.43	320.12
RICE	353.47	335.24	314.16
OTHER CASH GRAINS	332.86	352.07	325.56
FIELD CROPS EXCEPT CASH GRAINS	333.84	327.08	334.65
COTTON	341.91	334.08	345.93
OTHER FIELD CROPS	324.16	319.09	321.98
VEGETABLES AND MELONS	312.12	317.86	315.56
TOTAL FRUITS AND TREE NUTS	255.44	248.13	268.82
BERRIES	259.79	244.46	293.71
GRAPES	270.67	260.29	274.99
TREE NUTS	269.82	250.75	264.11
CITRUS FRUITS	263.42	266.76	275.40
DECIDUOUS TREE FRUIT	230.92	221.29	232.52
OTHER FRUITS AND NUTS	244.19	242.50	284.25
TOTAL HORTICULTURAL SPECIALTIES	305.64	311.85	308.72
ORNAMENTAL FLORAL & NURSERY	295.87	302.80	305.03
FOOD CROPS GROWN UNDER COVER	374.75	384.54	334.78
GENERAL FARM PRIMARILY CROP	281.34	274.46	257.13
TOTAL AGRIC PRODUCTION/LIVESTOCK	345.35	337.95	336.52
BEEF CATTLE FEED LOTS	404.95	352.56	369.85
BEEF CATTLE EXCEPT FEED LOTS	332.56	323.64	329.77
DAIRY FARMS	355.50	353.81	351.13
CHICKEN EGGS	320.64	309.23	313.73
TURKEYS & TURKEY EGGS	364.53	329.79	335.67
OTHER LIVESTOCK	323.76	314.32	304.92
TOTAL AGRICULTURAL SERVICES	255.36	246.77	244.48
SOIL PREPARATION SERVICES	528.09	538.76	465.11
CROP SERVICES	294.38	276.86	289.54
PLANT CULTIVATE & PROTECTION	321.20	293.04	341.69
HARVEST PRIMARILY BY MACHINE	287.57	253.42	257.42
PREPARATION SVCS FOR MARKET	292.11	279.96	289.11
COTTON GINNING	322.18	284.69	335.36
TOTAL FARM LABOR & MANAGEMENT	236.98	233.19	222.53
FARM LABOR CONTRACTORS	228.48	228.10	214.20
FARM MANAGEMENT SERVICES	304.38	284.81	301.03

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 1-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
CALIFORNIA
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	42.6	41.6	42.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.0	43.1	44.1
CASH GRAINS	53.1	51.8	51.8
RICE	52.6	49.3	47.6
OTHER CASH GRAINS	53.6	54.5	54.9
FIELD CROPS EXCEPT CASH GRAINS	52.0	52.0	52.7
COTTON	52.2	52.2	53.8
OTHER FIELD CROPS	51.7	51.8	51.6
VEGETABLES AND MELONS	45.9	46.0	46.0
TOTAL FRUITS AND TREE NUTS	41.2	39.7	42.4
BERRIES	41.5	37.9	44.3
GRAPES	41.9	39.8	40.8
TREE NUTS	45.5	42.5	43.8
CITRUS FRUITS	39.2	38.0	40.8
DECIDUOUS TREE FRUIT	40.3	39.8	41.3
OTHER FRUITS AND NUTS	39.9	42.1	45.7
TOTAL HORTICULTURAL SPECIALTIES	46.1	46.2	45.4
ORNAMENTAL FLORAL & NURSERY	45.8	46.3	45.8
FOOD CROPS GROWN UNDER COVER	47.8	45.4	41.9
GENERAL FARM PRIMARILY CROP	44.8	44.7	42.5
TOTAL AGRIC PRODUCTION/LIVESTOCK	47.7	47.2	47.0
BEEF CATTLE FEED LOTS	56.4	52.0	56.9
BEEF CATTLE EXCEPT FEED LOTS	44.4	43.5	49.0
DAIRY FARMS	48.9	48.6	48.1
CHICKEN EGGS	48.0	46.5	45.8
TURKEYS & TURKEY EGGS	55.4	53.8	55.3
OTHER LIVESTOCK	43.4	43.9	39.6
TOTAL AGRICULTURAL SERVICES	39.9	38.8	38.2
SOIL PREPARATION SERVICES	60.7	59.4	50.5
CROP SERVICES	41.0	38.4	41.6
PLANT CULTIVATE & PROTECTION	44.0	39.6	46.3
HARVEST PRIMARILY BY MACHINE	38.6	35.1	37.8
PREPARATION SVCS FOR MARKET	41.2	39.1	41.9
COTTON GINNING	41.2	35.9	39.5
TOTAL FARM LABOR & MANAGEMENT	39.3	38.8	36.6
FARM LABOR CONTRACTORS	38.4	38.4	35.7
FARM MANAGEMENT SERVICES	46.4	42.7	45.2

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 1-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
CALIFORNIA
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	6.45	6.43	6.47
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.38	6.39	6.43
CASH GRAINS	6.45	6.63	6.18
RICE	6.72	6.80	6.60
OTHER CASH GRAINS	6.21	6.46	5.93
FIELD CROPS EXCEPT CASH GRAINS	6.42	6.29	6.35
COTTON	6.55	6.40	6.43
OTHER FIELD CROPS	6.27	6.16	6.24
VEGETABLES AND MELONS	6.80	6.91	6.86
TOTAL FRUITS AND TREE NUTS	6.20	6.25	6.34
BERRIES	6.26	6.45	6.63
GRAPES	6.46	6.54	6.74
TREE NUTS	5.93	5.90	6.03
CITRUS FRUITS	6.72	7.02	6.75
DECIDUOUS TREE FRUIT	5.73	5.56	5.63
OTHER FRUITS AND NUTS	6.12	5.76	6.22
TOTAL HORTICULTURAL SPECIALTIES	6.63	6.75	6.80
ORNAMENTAL FLORAL & NURSERY	6.46	6.54	6.66
FOOD CROPS GROWN UNDER COVER	7.84	8.47	7.99
GENERAL FARM PRIMARILY CROP	6.28	6.14	6.05
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.24	7.16	7.16
BEEF CATTLE FEED LOTS	7.18	6.78	6.50
BEEF CATTLE EXCEPT FEED LOTS	7.49	7.44	6.73
DAIRY FARMS	7.27	7.28	7.30
CHICKEN EGGS	6.68	6.65	6.85
TURKEYS & TURKEY EGGS	6.58	6.13	6.07
OTHER LIVESTOCK	7.46	7.16	7.70
TOTAL AGRICULTURAL SERVICES	6.40	6.36	6.40
SOIL PREPARATION SERVICES	8.70	9.07	9.21
CROP SERVICES	7.18	7.21	6.96
PLANT CULTIVATE & PROTECTION	7.30	7.40	7.38
HARVEST PRIMARILY BY MACHINE	7.45	7.22	6.81
PREPARATION SVCS FOR MARKET	7.09	7.16	6.90
COTTON GINNING	7.82	7.93	8.49
TOTAL FARM LABOR & MANAGEMENT	6.03	6.01	6.08
FARM LABOR CONTRACTORS	5.95	5.94	6.00
FARM MANAGEMENT SERVICES	6.56	6.67	6.66

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

SAN JOAQUIN

Wage and Salary Employer

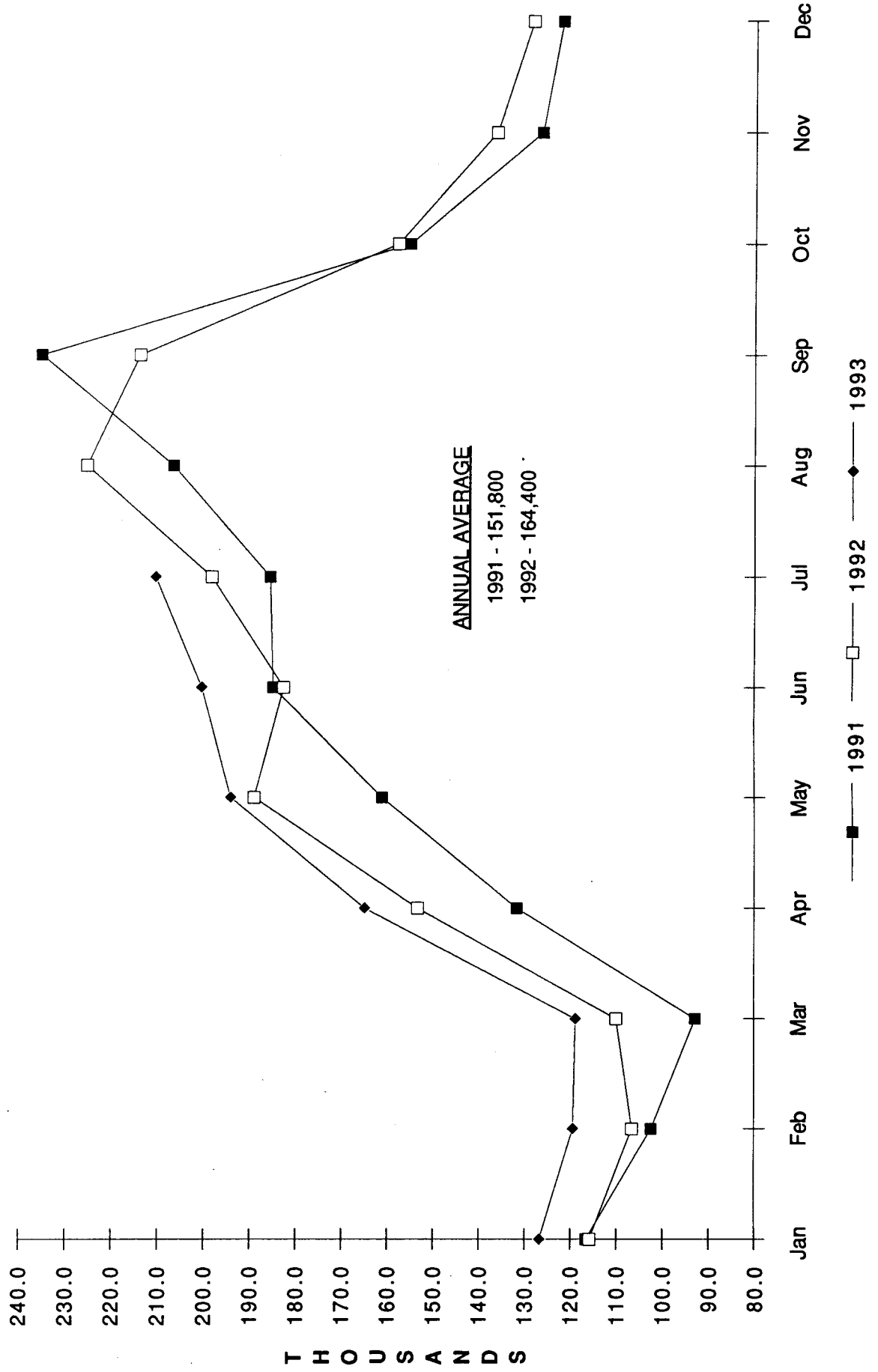


TABLE 2-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
SAN JOAQUIN VALLEY REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	210.6	200.6	198.4
TOTAL AGRICULTURAL PRODUCTION/CROPS	100.1	92.5	90.8
TOTAL FIELD CROPS	10.8	10.8	11.3
COTTON	6.8	6.9	7.1
OTHER FIELD CROPS	4.0	3.9	4.2
VEGETABLES AND MELONS	7.7	6.5	6.8
TOTAL FRUITS AND TREE NUTS	53.9	46.8	48.2
GRAPES	25.4	18.8	21.6
TREE NUTS	4.3	4.2	3.9
CITRUS FRUITS	2.4	2.9	2.4
DECIDUOUS TREE FRUIT	12.1	11.7	13.0
OTHER FRUITS AND NUTS	9.7	9.2	7.3
HORTICULTURAL SPECIALTIES	2.6	2.8	3.2
GENERAL FARM PRIMARILY CROP	25.1	25.6	21.3
TOTAL AGRIC PRODUCTION/LIVESTOCK	13.3	13.4	13.3
BEEF CATTLE FEED LOTS	0.2	0.2	0.2
BEEF CATTLE EXCEPT FEED LOTS	1.1	1.1	1.2
DAIRY FARMS	8.6	8.7	8.4
POULTRY & EGGS	2.1	2.1	2.2
OTHER LIVESTOCK	1.3	1.3	1.3
TOTAL AGRICULTURAL SERVICES	97.2	94.7	94.3
CROP SERVICES	24.8	22.7	27.4
PLANT CULTIVATE & PROTECTION	3.9	4.0	3.9
HARVEST PRIMARILY BY MACHINE	3.0	3.2	3.4
PREPARATION SVCS FOR MARKET	17.2	14.7	19.5
COTTON GINNING	0.7	0.8	0.6
TOTAL FARM LABOR & MANAGEMENT	72.4	72.0	66.9
FARM LABOR CONTRACTORS	65.7	65.8	60.5
FARM MANAGEMENT SERVICES	6.7	6.2	6.4

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B
AGRICULTURAL PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	200.3	189.7	188.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	94.9	86.8	85.8
TOTAL FIELD CROPS	10.0	9.9	10.5
COTTON	6.4	6.4	6.7
OTHER FIELD CROPS	3.6	3.5	3.8
VEGETABLES AND MELONS	7.1	6.0	6.4
TOTAL FRUITS AND TREE NUTS	52.1	44.7	45.9
GRAPES	24.7	18.1	20.8
TREE NUTS	3.9	3.7	3.5
CITRUS FRUITS	2.2	2.7	2.3
DECIDUOUS TREE FRUIT	11.8	11.3	12.4
OTHER FRUITS AND NUTS	9.5	8.9	6.9
HORTICULTURAL SPECIALTIES	2.1	2.4	2.8
GENERAL FARM PRIMARILY CROP	23.6	23.8	20.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	12.1	12.2	12.1
BEEF CATTLE FEED LOTS	0.2	0.2	0.2
BEEF CATTLE EXCEPT FEED LOTS	0.8	0.9	1.0
DAIRY FARMS	8.1	8.1	7.8
POULTRY & EGGS	1.9	1.9	2.0
OTHER LIVESTOCK	1.1	1.1	1.1
TOTAL AGRICULTURAL SERVICES	93.3	90.7	90.6
CROP SERVICES	22.5	20.3	24.5
PLANT CULTIVATE & PROTECTION	3.4	3.5	3.3
HARVEST PRIMARILY BY MACHINE	2.8	3.0	3.1
PREPARATION SVCS FOR MARKET	15.9	13.3	17.7
COTTON GINNING	0.4	0.5	0.4
TOTAL FARM LABOR & MANAGEMENT	70.8	70.4	66.1
FARM LABOR CONTRACTORS	64.5	64.7	60.1
FARM MANAGEMENT SERVICES	6.3	5.7	6.0

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	268.36	254.40	254.41
TOTAL AGRICULTURAL PRODUCTION/CROPS	273.77	266.99	264.02
TOTAL FIELD CROPS	331.99	329.70	331.88
COTTON	341.78	333.96	345.08
OTHER FIELD CROPS	315.45	323.14	309.81
VEGETABLES AND MELONS	285.78	271.82	289.56
TOTAL FRUITS AND TREE NUTS	255.01	242.94	261.38
GRAPES	266.70	258.42	260.30
TREE NUTS	272.71	254.66	261.70
CITRUS FRUITS	244.20	259.19	265.95
DECIDUOUS TREE FRUIT	237.06	221.05	243.47
OTHER FRUITS AND NUTS	240.60	227.77	297.65
HORTICULTURAL SPECIALTIES	301.15	324.31	295.10
GENERAL FARM PRIMARILY CROP	285.11	279.74	221.34
TOTAL AGRIC PRODUCTION/LIVESTOCK	356.85	343.44	344.57
BEEF CATTLE FEED LOTS	436.76	340.58	409.25
BEEF CATTLE EXCEPT FEED LOTS	340.37	333.33	343.74
DAIRY FARMS	357.94	354.05	348.95
POULTRY & EGGS	382.65	322.43	339.55
OTHER LIVESTOCK	300.03	305.13	313.50
TOTAL AGRICULTURAL SERVICES	252.10	230.89	232.97
CROP SERVICES	286.48	267.04	288.63
PLANT CULTIVATE & PROTECTION	370.51	343.44	331.03
HARVEST PRIMARILY BY MACHINE	335.10	296.04	206.42
PREPARATION SVCS FOR MARKET	258.46	239.90	294.68
COTTON GINNING	320.12	278.28	334.00
TOTAL FARM LABOR & MANAGEMENT	240.60	220.95	212.18
FARM LABOR CONTRACTORS	232.83	216.19	203.55
FARM MANAGEMENT SERVICES	319.12	270.33	300.28

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	42.8	42.4	41.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.3	45.1	43.0
TOTAL FIELD CROPS	52.2	52.5	53.1
COTTON	52.1	52.1	53.5
OTHER FIELD CROPS	52.4	53.5	52.6
VEGETABLES AND MELONS	49.7	48.8	48.1
TOTAL FRUITS AND TREE NUTS	41.6	41.6	42.5
GRAPES	42.0	43.8	40.8
TREE NUTS	46.3	42.8	43.4
CITRUS FRUITS	37.0	36.2	39.4
DECIDUOUS TREE FRUIT	41.3	39.9	43.4
OTHER FRUITS AND NUTS	39.9	40.1	46.8
HORTICULTURAL SPECIALTIES	43.9	41.9	42.4
GENERAL FARM PRIMARILY CROP	45.4	47.9	37.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	49.7	47.9	48.6
BEEF CATTLE FEED LOTS	54.8	47.7	60.9
BEEF CATTLE EXCEPT FEED LOTS	42.6	41.0	51.0
DAIRY FARMS	49.1	48.5	48.6
POULTRY & EGGS	54.2	45.8	45.7
OTHER LIVESTOCK	51.2	52.7	50.0
TOTAL AGRICULTURAL SERVICES	40.4	39.2	38.7
CROP SERVICES	41.7	40.4	43.6
PLANT CULTIVATE & PROTECTION	49.8	46.6	45.1
HARVEST PRIMARILY BY MACHINE	44.8	43.6	29.7
PREPARATION SVCS FOR MARKET	39.4	38.2	45.9
COTTON GINNING	41.9	36.0	40.0
TOTAL FARM LABOR & MANAGEMENT	39.9	38.9	36.9
FARM LABOR CONTRACTORS	39.0	38.4	35.9
FARM MANAGEMENT SERVICES	49.4	44.1	46.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
SAN JOAQUIN VALLEY REGION
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	6.27	6.00	6.16
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.18	5.92	6.14
TOTAL FIELD CROPS	6.36	6.28	6.25
COTTON	6.56	6.41	6.45
OTHER FIELD CROPS	6.02	6.04	5.89
VEGETABLES AND MELONS	5.75	5.57	6.02
TOTAL FRUITS AND TREE NUTS	6.13	5.84	6.15
GRAPES	6.35	5.90	6.38
TREE NUTS	5.89	5.95	6.03
CITRUS FRUITS	6.60	7.16	6.75
DECIDUOUS TREE FRUIT	5.74	5.54	5.61
OTHER FRUITS AND NUTS	6.03	5.68	6.36
HORTICULTURAL SPECIALTIES	6.86	7.74	6.96
GENERAL FARM PRIMARILY CROP	6.28	5.84	5.95
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.18	7.17	7.09
BEEF CATTLE FEED LOTS	7.97	7.14	6.72
BEEF CATTLE EXCEPT FEED LOTS	7.99	8.13	6.74
DAIRY FARMS	7.29	7.30	7.18
POULTRY & EGGS	7.06	7.04	7.43
OTHER LIVESTOCK	5.86	5.79	6.27
TOTAL AGRICULTURAL SERVICES	6.24	5.89	6.02
CROP SERVICES	6.87	6.61	6.62
PLANT CULTIVATE & PROTECTION	7.44	7.37	7.34
HARVEST PRIMARILY BY MACHINE	7.48	6.79	6.95
PREPARATION SVCS FOR MARKET	6.56	6.28	6.42
COTTON GINNING	7.64	7.73	8.35
TOTAL FARM LABOR & MANAGEMENT	6.03	5.68	5.75
FARM LABOR CONTRACTORS	5.97	5.63	5.67
FARM MANAGEMENT SERVICES	6.46	6.13	6.43

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

SOUTH COAST

Wage and Salary Employment

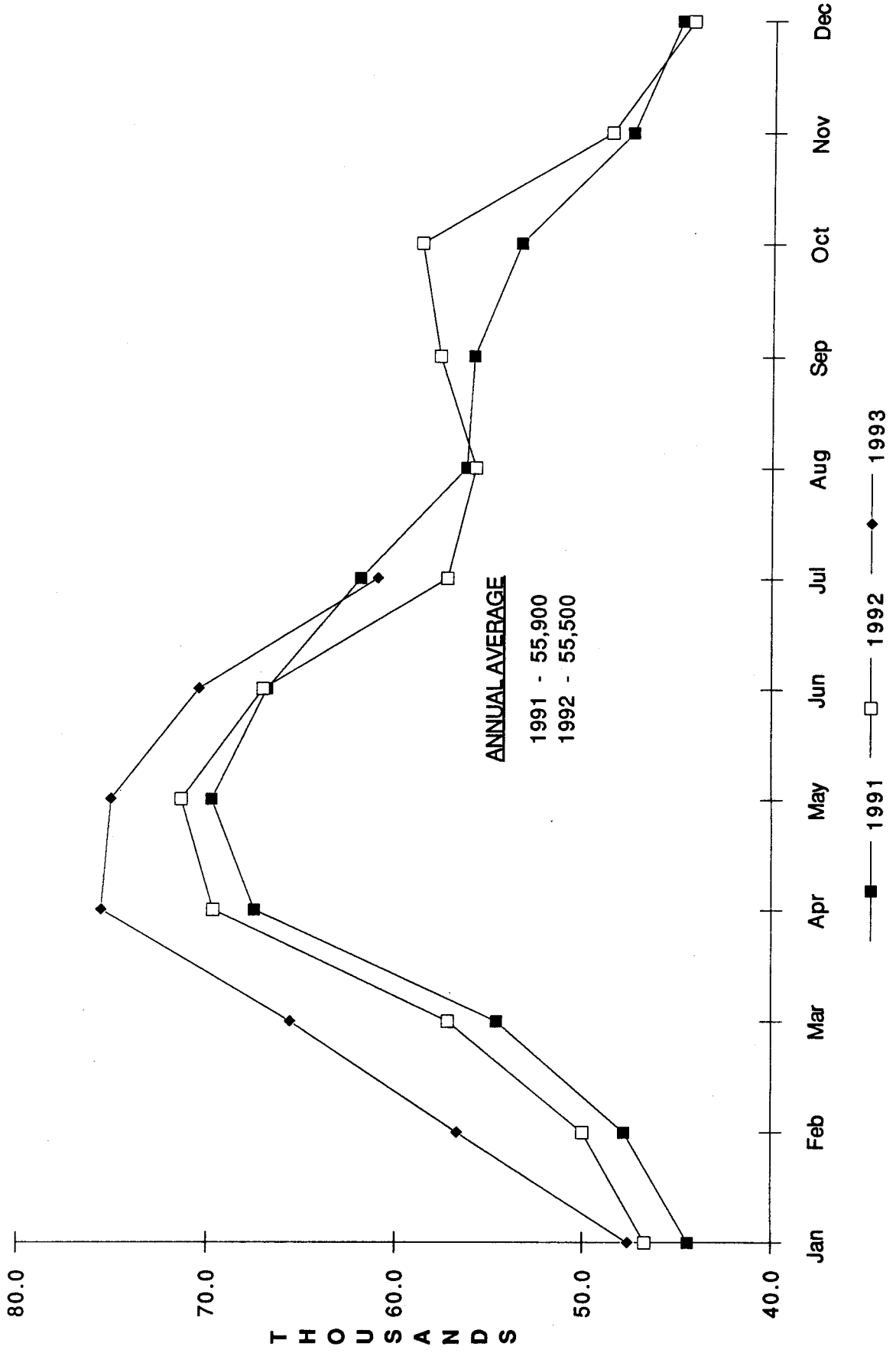


TABLE 3-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
SOUTH COAST REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	61.0	70.5	57.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.5	51.3	37.8
VEGETABLES AND MELONS	7.3	8.0	7.7
TOTAL FRUITS AND TREE NUTS	13.7	21.5	10.3
BERRIES	7.3	14.5	5.5
CITRUS FRUITS	2.3	2.3	2.1
OTHER FRUITS AND NUTS	4.1	4.7	2.7
TOTAL HORTICULTURAL SPECIALTIES	14.7	14.7	15.2
ORNAMENTAL FLORAL & NURSERY	13.9	13.9	14.4
FOOD CROPS GROWN UNDER COVER	0.8	0.8	0.8
GENERAL FARM PRIMARILY CROP	6.8	7.1	4.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.4	2.5	2.4
TOTAL AGRICULTURAL SERVICES	16.1	16.7	17.1
CROP SERVICES	4.8	4.0	4.7
HARVEST PRIMARILY BY MACHINE	1.8	1.7	2.0
PREPARATION SVCS FOR MARKET	3.0	2.3	2.7
TOTAL FARM LABOR & MANAGEMENT	11.3	12.7	12.4
FARM LABOR CONTRACTORS	8.7	10.1	10.6
FARM MANAGEMENT SERVICES	2.6	2.6	1.8

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B
AGRICULTURAL PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	54.8	64.2	51.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	37.7	46.4	33.2
VEGETABLES AND MELONS	6.7	7.4	7.1
TOTAL FRUITS AND TREE NUTS	12.8	20.7	9.7
BERRIES	7.0	14.2	5.4
CITRUS FRUITS	2.0	2.1	1.7
OTHER FRUITS AND NUTS	3.8	4.4	2.6
TOTAL HORTICULTURAL SPECIALTIES	12.1	12.1	12.2
ORNAMENTAL FLORAL & NURSERY	11.4	11.4	11.6
FOOD CROPS GROWN UNDER COVER	0.7	0.7	0.6
GENERAL FARM PRIMARILY CROP	6.1	6.2	4.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.0	2.0	1.8
TOTAL AGRICULTURAL SERVICES	15.1	15.8	16.2
CROP SERVICES	4.5	3.8	4.4
HARVEST PRIMARILY BY MACHINE	1.7	1.6	1.9
PREPARATION SVCS FOR MARKET	2.8	2.2	2.5
TOTAL FARM LABOR & MANAGEMENT	10.6	12.0	11.8
FARM LABOR CONTRACTORS	8.3	9.7	10.3
FARM MANAGEMENT SERVICES	2.3	2.3	1.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	263.33	265.60	290.54
TOTAL AGRICULTURAL PRODUCTION/CROPS	265.59	265.93	296.96
VEGETABLES AND MELONS	291.24	332.75	317.80
TOTAL FRUITS AND TREE NUTS	215.39	225.45	264.00
BERRIES	185.27	205.62	221.72
CITRUS FRUITS	267.33	263.81	309.88
OTHER FRUITS AND NUTS	243.20	270.85	280.06
TOTAL HORTICULTURAL SPECIALTIES	296.32	298.78	291.65
ORNAMENTAL FLORAL & NURSERY	286.71	293.88	290.25
FOOD CROPS GROWN UNDER COVER	459.54	381.00	323.49
GENERAL FARM PRIMARILY CROP	283.80	260.62	354.73
TOTAL AGRIC PRODUCTION/LIVESTOCK	334.49	314.89	371.50
TOTAL AGRICULTURAL SERVICES	247.27	257.49	268.58
CROP SERVICES	312.34	279.21	297.14
HARVEST PRIMARILY BY MACHINE	296.51	291.36	268.22
PREPARATION SVCS FOR MARKET	322.06	269.89	318.74
TOTAL FARM LABOR & MANAGEMENT	219.94	250.50	257.56
FARM LABOR CONTRACTORS	218.10	251.54	249.74
FARM MANAGEMENT SERVICES	227.50	247.09	312.22

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	41.6	40.0	43.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.7	40.6	45.2
VEGETABLES AND MELONS	44.6	46.8	45.4
TOTAL FRUITS AND TREE NUTS	36.2	35.9	44.0
BERRIES	34.5	34.1	37.9
CITRUS FRUITS	40.2	37.0	43.4
OTHER FRUITS AND NUTS	37.3	41.1	50.1
TOTAL HORTICULTURAL SPECIALTIES	46.3	47.2	44.8
ORNAMENTAL FLORAL & NURSERY	45.8	47.4	45.0
FOOD CROPS GROWN UNDER COVER	55.3	44.2	41.0
GENERAL FARM PRIMARILY CROP	47.3	36.4	49.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	46.2	42.9	50.0
TOTAL AGRICULTURAL SERVICES	38.1	37.7	38.7
CROP SERVICES	46.0	38.3	41.5
HARVEST PRIMARILY BY MACHINE	39.8	38.9	36.1
PREPARATION SVCS FOR MARKET	49.7	37.8	45.6
TOTAL FARM LABOR & MANAGEMENT	34.8	37.5	37.6
FARM LABOR CONTRACTORS	34.4	37.6	36.3
FARM MANAGEMENT SERVICES	36.4	37.1	46.6

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
SOUTH COAST REGION
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	6.33	6.64	6.71
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.22	6.55	6.57
VEGETABLES AND MELONS	6.53	7.11	7.00
TOTAL FRUITS AND TREE NUTS	5.95	6.28	6.00
BERRIES	5.37	6.03	5.85
CITRUS FRUITS	6.65	7.13	7.14
OTHER FRUITS AND NUTS	6.52	6.59	5.59
TOTAL HORTICULTURAL SPECIALTIES	6.40	6.33	6.51
ORNAMENTAL FLORAL & NURSERY	6.26	6.20	6.45
FOOD CROPS GROWN UNDER COVER	8.31	8.62	7.89
GENERAL FARM PRIMARILY CROP	6.00	7.16	7.21
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.24	7.34	7.43
TOTAL AGRICULTURAL SERVICES	6.49	6.83	6.94
CROP SERVICES	6.79	7.29	7.16
HARVEST PRIMARILY BY MACHINE	7.45	7.49	7.43
PREPARATION SVCS FOR MARKET	6.48	7.14	6.99
TOTAL FARM LABOR & MANAGEMENT	6.32	6.68	6.85
FARM LABOR CONTRACTORS	6.34	6.69	6.88
FARM MANAGEMENT SERVICES	6.25	6.66	6.70

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

CENTRAL COAST

Wage and Salary Employment

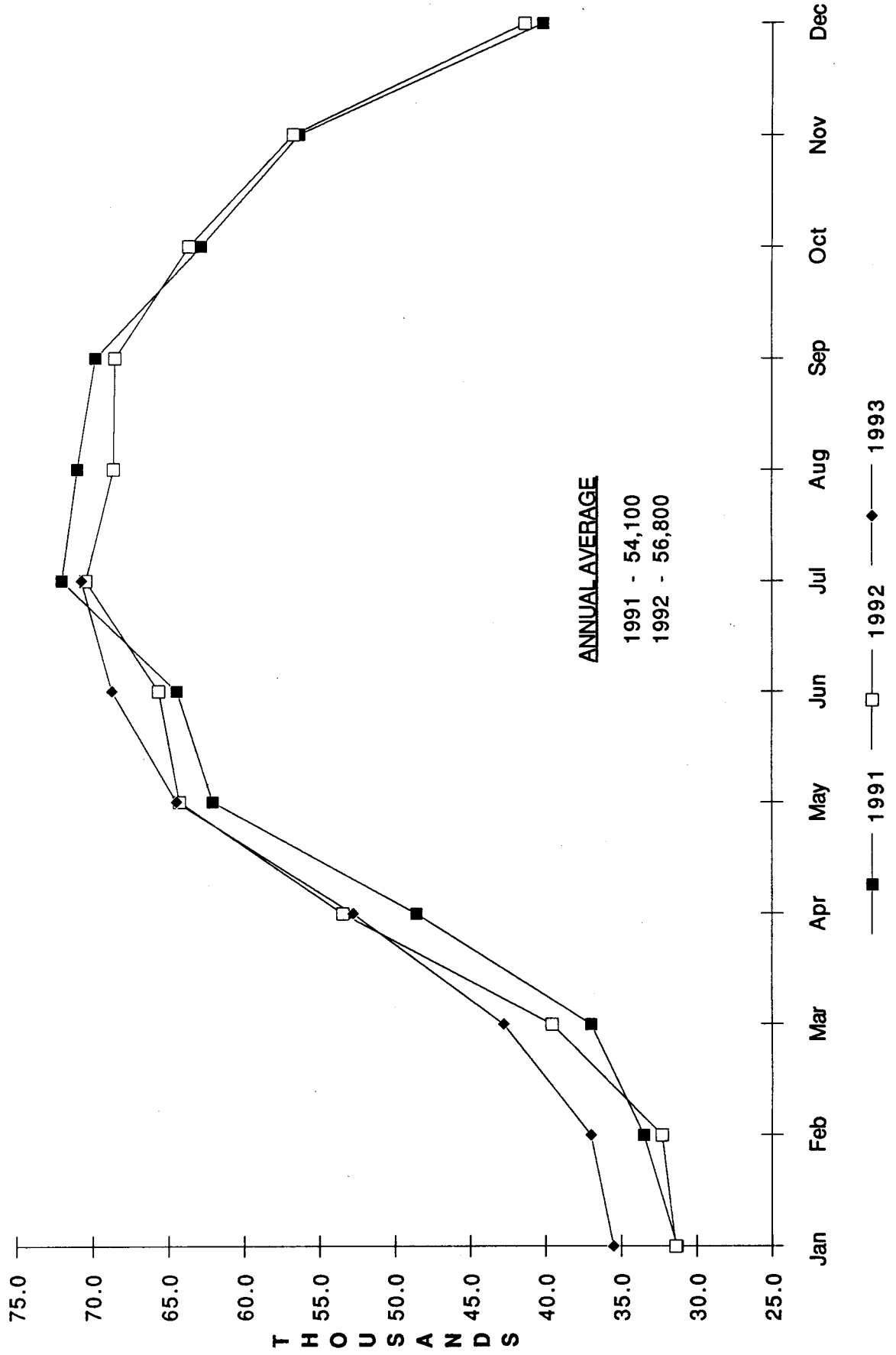


TABLE 4-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
CENTRAL COAST REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	70.8	68.8	70.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	45.9	45.0	46.2
VEGETABLES AND MELONS	16.3	15.8	15.1
TOTAL FRUITS AND TREE NUTS	14.6	15.0	15.8
BERRIES	10.9	11.3	12.1
DECIDUOUS TREE FRUIT	2.0	1.8	2.1
OTHER FRUITS AND NUTS	1.7	1.9	1.6
TOTAL HORTICULTURAL SPECIALTIES	9.5	9.5	10.0
ORNAMENTAL FLORAL & NURSERY	7.4	7.4	7.9
FOOD CROPS GROWN UNDER COVER	2.1	2.1	2.1
GENERAL FARM PRIMARILY CROP	5.5	4.7	5.3
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.0	1.1	1.1
TOTAL AGRICULTURAL SERVICES	23.9	22.7	23.2
CROP SERVICES	14.4	14.0	12.2
HARVEST PRIMARILY BY MACHINE	3.7	3.8	3.2
PREPARATION SVCS FOR MARKET	10.7	10.2	9.0
TOTAL FARM LABOR & MANAGEMENT	9.5	8.7	11.0

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 4-B
AGRICULTURAL PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	65.3	63.4	65.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	41.8	41.0	42.1
VEGETABLES AND MELONS	14.9	14.6	13.8
TOTAL FRUITS AND TREE NUTS	14.1	14.4	15.2
BERRIES	10.7	11.0	11.9
DECIDUOUS TREE FRUIT	1.9	1.7	1.9
OTHER FRUITS AND NUTS	1.5	1.7	1.4
TOTAL HORTICULTURAL SPECIALTIES	7.8	7.8	8.2
ORNAMENTAL FLORAL & NURSERY	6.0	6.0	6.4
FOOD CROPS GROWN UNDER COVER	1.8	1.8	1.8
GENERAL FARM PRIMARILY CROP	5.0	4.2	4.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	0.7	0.8	0.8
TOTAL AGRICULTURAL SERVICES	22.8	21.6	22.4
CROP SERVICES	13.3	13.0	11.4
HARVEST PRIMARILY BY MACHINE	3.5	3.6	3.0
PREPARATION SVCS FOR MARKET	9.8	9.4	8.4
TOTAL FARM LABOR & MANAGEMENT	9.5	8.6	11.0

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 4-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	304.86	307.23	313.06
TOTAL AGRICULTURAL PRODUCTION/CROPS	310.86	304.87	319.24
VEGETABLES AND MELONS	323.02	317.69	308.72
TOTAL FRUITS AND TREE NUTS	290.68	282.17	304.64
BERRIES	304.87	299.28	329.28
DECIDUOUS TREE FRUIT	190.21	169.93	139.32
OTHER FRUITS AND NUTS	318.94	290.70	324.02
TOTAL HORTICULTURAL SPECIALTIES	324.57	337.46	355.15
ORNAMENTAL FLORAL & NURSERY	309.12	321.64	356.62
FOOD CROPS GROWN UNDER COVER	376.26	390.39	350.66
GENERAL FARM PRIMARILY CROP	311.88	272.54	334.28
TOTAL AGRIC PRODUCTION/LIVESTOCK	304.14	303.07	309.59
TOTAL AGRICULTURAL SERVICES	292.61	312.84	299.85
CROP SERVICES	323.01	341.50	305.59
HARVEST PRIMARILY BY MACHINE	312.73	287.74	312.03
PREPARATION SVCS FOR MARKET	326.87	362.74	302.67
TOTAL FARM LABOR & MANAGEMENT	250.85	269.34	294.67

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 4-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	42.4	41.8	43.3
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.6	43.0	46.0
VEGETABLES AND MELONS	43.3	43.4	42.7
TOTAL FRUITS AND TREE NUTS	43.0	40.6	44.8
BERRIES	45.3	43.5	48.0
DECIDUOUS TREE FRUIT	34.9	28.9	27.0
OTHER FRUITS AND NUTS	37.0	34.2	42.3
TOTAL HORTICULTURAL SPECIALTIES	46.5	47.0	47.8
ORNAMENTAL FLORAL & NURSERY	46.0	47.3	49.6
FOOD CROPS GROWN UNDER COVER	48.3	46.2	41.4
GENERAL FARM PRIMARILY CROP	49.9	41.8	55.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	41.1	40.9	41.5
TOTAL AGRICULTURAL SERVICES	38.3	39.7	38.1
CROP SERVICES	37.0	38.5	35.7
HARVEST PRIMARILY BY MACHINE	38.8	35.7	39.8
PREPARATION SVCS FOR MARKET	36.4	39.6	34.2
TOTAL FARM LABOR & MANAGEMENT	40.2	41.5	40.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
CENTRAL COAST REGION
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	7.19	7.35	7.23
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.97	7.09	6.94
VEGETABLES AND MELONS	7.46	7.32	7.23
TOTAL FRUITS AND TREE NUTS	6.76	6.95	6.80
BERRIES	6.73	6.88	6.86
DECIDUOUS TREE FRUIT	5.45	5.88	5.16
OTHER FRUITS AND NUTS	8.62	8.50	7.66
TOTAL HORTICULTURAL SPECIALTIES	6.98	7.18	7.43
ORNAMENTAL FLORAL & NURSERY	6.72	6.80	7.19
FOOD CROPS GROWN UNDER COVER	7.79	8.45	8.47
GENERAL FARM PRIMARILY CROP	6.25	6.52	5.98
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.40	7.41	7.46
TOTAL AGRICULTURAL SERVICES	7.64	7.88	7.87
CROP SERVICES	8.73	8.87	8.56
HARVEST PRIMARILY BY MACHINE	8.06	8.06	7.84
PREPARATION SVCS FOR MARKET	8.98	9.16	8.85
TOTAL FARM LABOR & MANAGEMENT	6.24	6.49	7.24

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

DESERT

Wage and Salary Employment

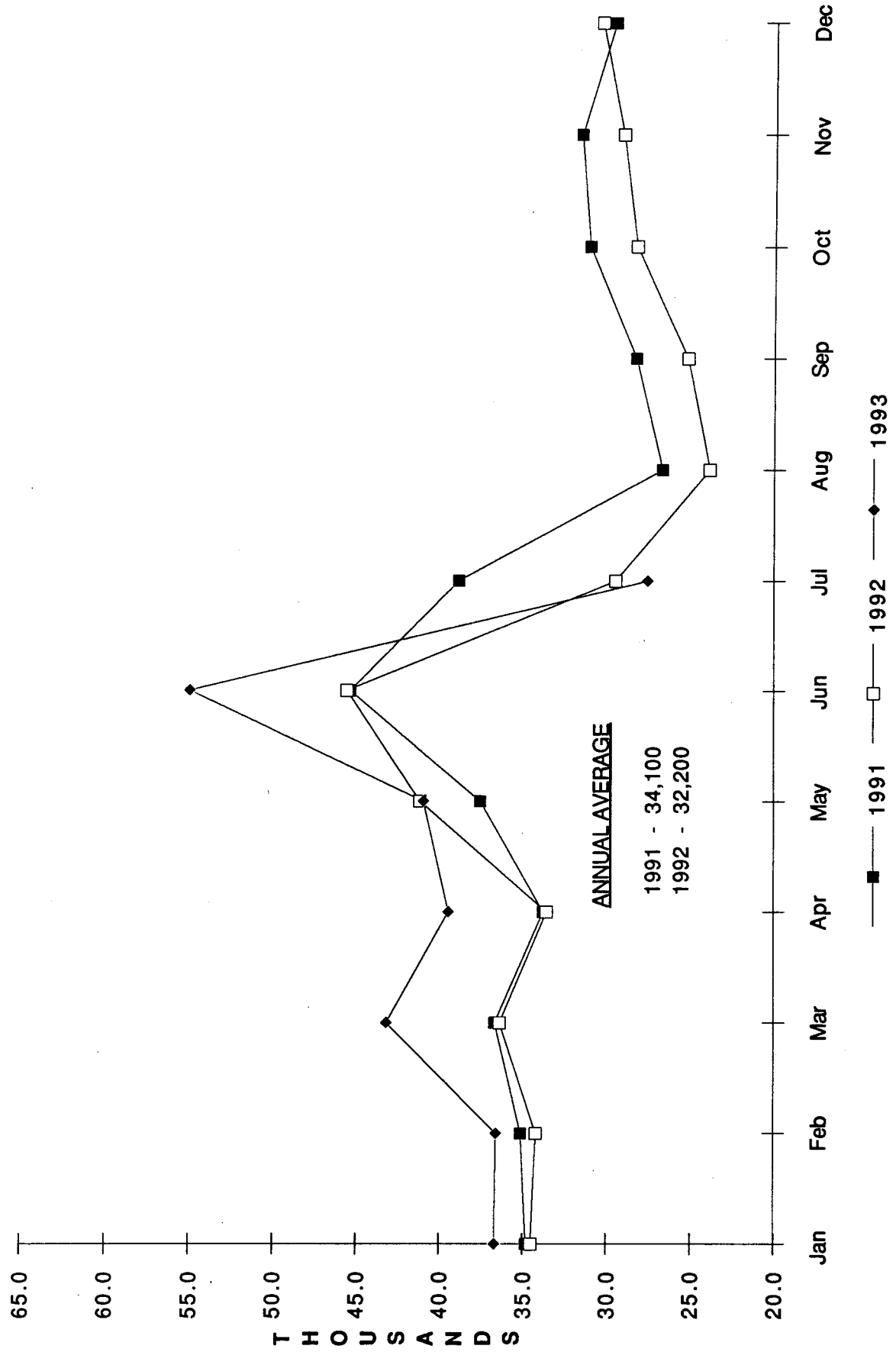


TABLE 5-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
DESERT REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	27.6	55.0	29.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	11.8	24.6	12.2
FIELD CROPS	1.4	1.5	1.6
VEGETABLES AND MELONS	1.3	2.2	1.7
TOTAL FRUITS AND TREE NUTS	4.2	14.7	5.6
GRAPES	3.0	13.1	4.1
CITRUS FRUITS	0.4	0.6	0.7
OTHER FRUITS AND NUTS	0.8	1.0	0.8
HORTICULTURAL SPECIALTIES	0.8	0.9	0.9
GENERAL FARM PRIMARILY CROP	4.1	5.3	2.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	5.4	5.4	5.4
DAIRY FARMS	2.6	2.6	2.6
CHICKEN EGGS	1.2	1.2	1.2
OTHER LIVESTOCK	1.6	1.6	1.6
TOTAL AGRICULTURAL SERVICES	10.4	25.0	11.9
CROP SERVICES	4.9	5.8	5.1
PLANT CULTIVATE & PROTECTION	0.7	1.0	0.6
HARVEST PRIMARILY BY MACHINE	0.8	0.8	1.2
PREPARATION SVCS FOR MARKET	3.4	4.0	3.3
TOTAL FARM LABOR & MANAGEMENT	5.5	19.2	6.8

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B
AGRICULTURAL PRODUCTION WORKERS (1)
DESERT REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	25.2	52.6	27.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	10.6	23.4	11.0
FIELD CROPS	1.2	1.3	1.4
VEGETABLES AND MELONS	1.2	2.1	1.5
TOTAL FRUITS AND TREE NUTS	3.7	14.1	5.3
GRAPES	2.6	12.8	3.9
CITRUS FRUITS	0.4	0.5	0.6
OTHER FRUITS AND NUTS	0.7	0.8	0.8
HORTICULTURAL SPECIALTIES	0.6	0.8	0.7
GENERAL FARM PRIMARILY CROP	3.9	5.1	2.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	4.8	4.8	4.7
DAIRY FARMS	2.5	2.5	2.5
CHICKEN EGGS	0.9	0.9	0.8
OTHER LIVESTOCK	1.4	1.4	1.4
TOTAL AGRICULTURAL SERVICES	9.8	24.4	11.3
CROP SERVICES	4.5	5.3	4.7
PLANT CULTIVATE & PROTECTION	0.5	0.8	0.5
HARVEST PRIMARILY BY MACHINE	0.8	0.7	1.2
PREPARATION SVCS FOR MARKET	3.2	3.8	3.0
TOTAL FARM LABOR & MANAGEMENT	5.3	19.1	6.6

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
DESERT REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	310.10	264.80	281.95
TOTAL AGRICULTURAL PRODUCTION/CROPS	308.95	260.94	290.98
FIELD CROPS	327.35	312.12	334.72
VEGETABLES AND MELONS	276.25	270.86	292.08
TOTAL FRUITS AND TREE NUTS	326.68	246.05	259.49
GRAPES	347.98	243.50	258.07
CITRUS FRUITS	288.69	289.96	290.11
OTHER FRUITS AND NUTS	265.06	257.20	240.00
HORTICULTURAL SPECIALTIES	325.20	368.45	309.40
GENERAL FARM PRIMARILY CROP	294.10	267.62	334.76
TOTAL AGRIC PRODUCTION/LIVESTOCK	414.63	408.00	391.75
DAIRY FARMS	488.25	477.87	465.12
CHICKEN EGGS	306.32	305.63	288.61
OTHER LIVESTOCK	356.79	349.86	321.78
TOTAL AGRICULTURAL SERVICES	261.45	240.86	228.96
CROP SERVICES	286.12	240.77	263.87
PLANT CULTIVATE & PROTECTION	321.48	238.95	345.64
HARVEST PRIMARILY BY MACHINE	226.95	143.90	259.31
PREPARATION SVCS FOR MARKET	294.76	260.19	252.55
TOTAL FARM LABOR & MANAGEMENT	240.44	240.67	203.47

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 5-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
DESERT REGION
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	44.3	38.6	41.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	45.3	37.6	43.3
FIELD CROPS	49.3	49.7	48.3
VEGETABLES AND MELONS	44.2	43.9	50.1
TOTAL FRUITS AND TREE NUTS	47.9	35.1	36.6
GRAPES	50.8	34.2	35.4
CITRUS FRUITS	41.9	43.8	42.6
OTHER FRUITS AND NUTS	40.1	43.3	37.5
HORTICULTURAL SPECIALTIES	41.8	43.5	43.7
GENERAL FARM PRIMARILY CROP	42.5	37.8	51.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	51.0	50.0	47.6
DAIRY FARMS	52.5	51.0	48.5
CHICKEN EGGS	48.7	48.9	46.7
OTHER LIVESTOCK	49.9	49.0	46.5
TOTAL AGRICULTURAL SERVICES	40.1	37.4	36.4
CROP SERVICES	46.0	39.6	43.4
PLANT CULTIVATE & PROTECTION	57.0	42.9	57.8
HARVEST PRIMARILY BY MACHINE	37.7	27.1	44.1
PREPARATION SVCS FOR MARKET	46.2	41.3	40.8
TOTAL FARM LABOR & MANAGEMENT	35.1	36.8	31.4

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 5-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
DESERT REGION
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	7.00	6.86	6.86
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.82	6.94	6.72
FIELD CROPS	6.64	6.28	6.93
VEGETABLES AND MELONS	6.25	6.17	5.83
TOTAL FRUITS AND TREE NUTS	6.82	7.01	7.09
GRAPES	6.85	7.12	7.29
CITRUS FRUITS	6.89	6.62	6.81
OTHER FRUITS AND NUTS	6.61	5.94	6.40
HORTICULTURAL SPECIALTIES	7.78	8.47	7.08
GENERAL FARM PRIMARILY CROP	6.92	7.08	6.45
TOTAL AGRIC PRODUCTION/LIVESTOCK	8.13	8.16	8.23
DAIRY FARMS	9.30	9.37	9.59
CHICKEN EGGS	6.29	6.25	6.18
OTHER LIVESTOCK	7.15	7.14	6.92
TOTAL AGRICULTURAL SERVICES	6.52	6.44	6.29
CROP SERVICES	6.22	6.08	6.08
PLANT CULTIVATE & PROTECTION	5.64	5.57	5.98
HARVEST PRIMARILY BY MACHINE	6.02	5.31	5.88
PREPARATION SVCS FOR MARKET	6.38	6.30	6.19
TOTAL FARM LABOR & MANAGEMENT	6.85	6.54	6.48

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

SACRAMENTO

Wage and Salary Employment

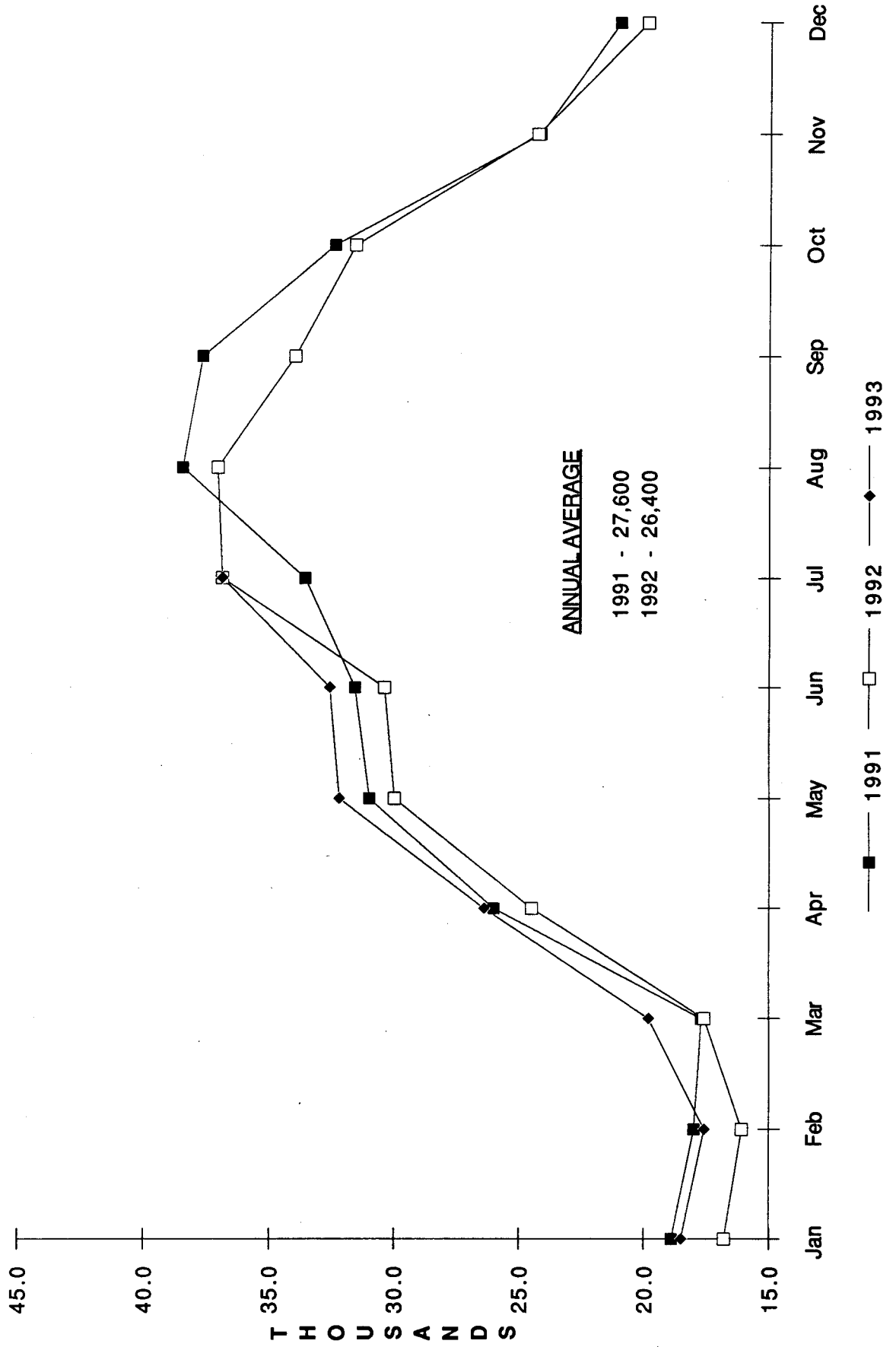


TABLE 6-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
SACRAMENTO VALLEY REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	36.9	32.6	36.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	25.6	21.9	25.7
RICE	1.4	1.4	1.2
VEGETABLES AND MELONS	3.0	2.6	2.8
TOTAL FRUIT AND TREE NUTS	9.6	7.2	11.0
TREE NUTS	1.6	1.4	2.0
DECIDUOUS TREE FRUIT	6.2	3.9	6.9
OTHER FRUITS AND NUTS	1.8	1.9	2.1
HORTICULTURAL SPECIALTIES	2.3	2.2	2.0
GENERAL FARM PRIMARILY CROP	9.3	8.5	8.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.2	2.3	2.3
TOTAL AGRICULTURAL SERVICES	9.1	8.4	8.9
CROP SERVICES	2.9	2.8	2.9
HARVEST PRIMARILY BY MACHINE	1.5	1.6	1.3
PREPARATION SVCS FOR MARKET	1.4	1.2	1.6
TOTAL FARM LABOR & MANAGEMENT	6.2	5.6	6.0

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 6-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	267.50	278.88	258.81
TOTAL AGRICULTURAL PRODUCTION/CROPS	275.18	291.06	264.10
RICE	368.08	347.99	300.14
VEGETABLES AND MELONS	345.58	398.16	338.05
TOTAL FRUIT AND TREE NUTS	219.79	248.47	219.43
TREE NUTS	285.57	267.88	269.23
DECIDUOUS TREE FRUIT	207.72	243.96	209.56
OTHER FRUITS AND NUTS	206.46	244.00	207.88
HORTICULTURAL SPECIALTIES	314.47	277.39	266.63
GENERAL FARM PRIMARILY CROP	289.56	289.28	290.81
TOTAL AGRIC PRODUCTION/LIVESTOCK	297.35	310.86	295.23
TOTAL AGRICULTURAL SERVICES	237.48	241.12	234.23
CROP SERVICES	281.99	288.81	304.36
HARVEST PRIMARILY BY MACHINE	284.57	299.71	319.78
PREPARATION SVCS FOR MARKET	278.66	275.20	291.06
TOTAL FARM LABOR & MANAGEMENT	220.62	221.27	205.16

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	267.50	278.88	258.81
TOTAL AGRICULTURAL PRODUCTION/CROPS	275.18	291.06	264.10
RICE	368.08	347.99	300.14
VEGETABLES AND MELONS	345.58	398.16	338.05
TOTAL FRUIT AND TREE NUTS	219.79	248.47	219.43
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(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	46.2	48.0	44.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	47.2	49.5	45.3
RICE	53.5	49.5	44.4
VEGETABLES AND MELONS	61.6	63.0	55.6
TOTAL FRUIT AND TREE NUTS	37.7	43.9	38.7
TREE NUTS	45.4	43.7	44.5
DECIDUOUS TREE FRUIT	36.0	42.8	36.7
OTHER FRUITS AND NUTS	37.2	46.3	39.9
HORTICULTURAL SPECIALTIES	51.3	45.4	45.5
GENERAL FARM PRIMARILY CROP	50.8	51.2	50.4
TOTAL AGRIC PRODUCTION/LIVESTOCK	46.9	49.5	44.8
TOTAL AGRICULTURAL SERVICES	43.1	44.0	42.9
CROP SERVICES	41.9	42.1	45.7
HARVEST PRIMARILY BY MACHINE	42.6	41.8	47.8
PREPARATION SVCS FOR MARKET	41.1	42.6	43.9
TOTAL FARM LABOR & MANAGEMENT	43.6	44.7	41.7

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
SACRAMENTO VALLEY REGION
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	5.79	5.81	5.79
TOTAL AGRICULTURAL PRODUCTION/CROPS	5.83	5.88	5.83
RICE	6.88	7.03	6.76
VEGETABLES AND MELONS	5.61	6.32	6.08
TOTAL FRUIT AND TREE NUTS	5.83	5.66	5.67
TREE NUTS	6.29	6.13	6.05
DECIDUOUS TREE FRUIT	5.77	5.70	5.71
OTHER FRUITS AND NUTS	5.55	5.27	5.21
HORTICULTURAL SPECIALTIES	6.13	6.11	5.86
GENERAL FARM PRIMARILY CROP	5.70	5.65	5.77
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.34	6.28	6.59
TOTAL AGRICULTURAL SERVICES	5.51	5.48	5.46
CROP SERVICES	6.73	6.86	6.66
HARVEST PRIMARILY BY MACHINE	6.68	7.17	6.69
PREPARATION SVCS FOR MARKET	6.78	6.46	6.63
TOTAL FARM LABOR & MANAGEMENT	5.06	4.95	4.92

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

NORTH COAST

Wage and Salary Employment

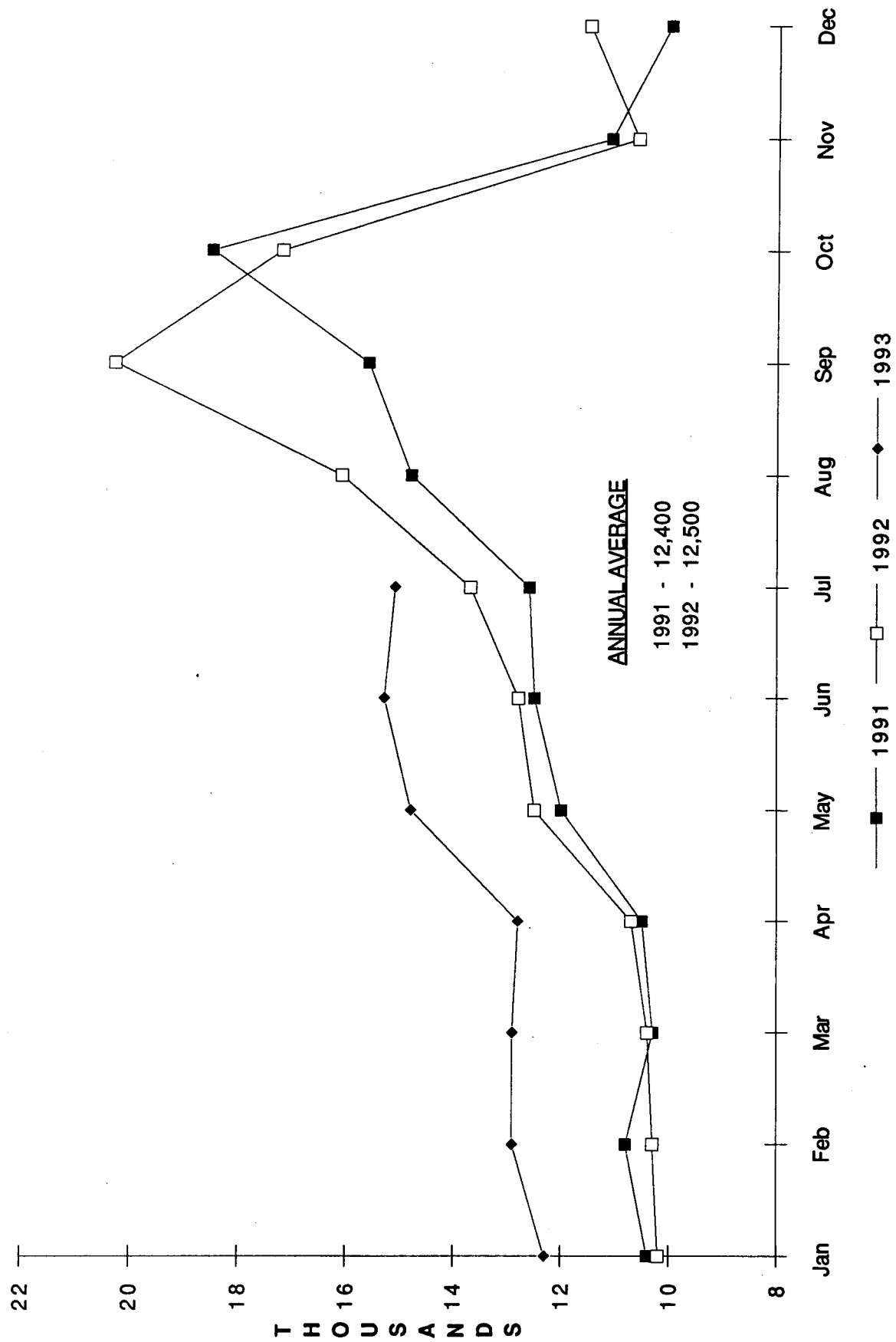


TABLE 7-A
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)
NORTH COAST REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	15.1	15.3	13.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	11.6	11.5	9.6
TOTAL FRUITS AND TREE NUTS	9.1	9.0	7.7
GRAPES	7.5	7.7	6.0
OTHER FRUITS AND NUTS	1.6	1.3	1.7
TOTAL HORTICULTURAL SPECIALTIES	1.8	1.8	1.3
GENERAL FARM PRIMARILY CROP (2)	0.7	0.7	0.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.0	2.0	2.0
TOTAL AGRICULTURAL SERVICES	1.5	1.8	2.1

- (1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.
 (2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, HOURS, OR EARNINGS ESTIMATES.

TABLE 7-B
AGRICULTURAL PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN THOUSANDS)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	12.6	12.4	11.4
TOTAL AGRICULTURAL PRODUCTION/CROPS	9.5	9.2	7.7
TOTAL FRUITS AND TREE NUTS	7.3	7.2	6.1
GRAPES	5.8	6.0	4.6
OTHER FRUITS AND NUTS	1.5	1.2	1.5
TOTAL HORTICULTURAL SPECIALTIES	1.5	1.4	1.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.8	1.7	1.8
TOTAL AGRICULTURAL SERVICES	1.3	1.5	1.9

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	311.61	313.46	323.69
TOTAL AGRICULTURAL PRODUCTION/CROPS	307.89	311.69	323.23
TOTAL FRUITS AND TREE NUTS	312.18	317.34	333.96
GRAPES	314.58	319.37	338.77
OTHER FRUITS AND NUTS	301.32	307.69	317.70
TOTAL HORTICULTURAL SPECIALTIES	270.07	295.09	281.16
TOTAL AGRIC PRODUCTION/LIVESTOCK	316.24	307.20	295.89
TOTAL AGRICULTURAL SERVICES	331.11	331.20	348.61

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN HOURS PER WEEK)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	44.2	44.4	44.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	44.3	44.4	44.4
TOTAL FRUITS AND TREE NUTS	43.6	43.0	44.0
GRAPES	42.8	42.3	43.6
OTHER FRUITS AND NUTS	46.5	46.2	45.0
TOTAL HORTICULTURAL SPECIALTIES	39.6	50.1	42.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	47.2	46.9	44.9
TOTAL AGRICULTURAL SERVICES	39.0	41.4	41.9

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 7-E
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)
NORTH COAST REGION
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1993	JUN 1993	JUL 1992
TOTAL AGRICULTURAL	7.05	7.06	7.34
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.95	7.02	7.28
TOTAL FRUITS AND TREE NUTS	7.16	7.38	7.59
GRAPES	7.35	7.55	7.77
OTHER FRUITS AND NUTS	6.48	6.66	7.06
TOTAL HORTICULTURAL SPECIALTIES	6.82	5.89	6.60
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.70	6.55	6.59
TOTAL AGRICULTURAL SERVICES	8.49	8.00	8.32

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.